

In the Claims:

1. (currently amended) An electric contact of a plug connector formed by folding a blank of a certain configuration, wherein the electric contact is adapted to be inserted into a receiving cell of a housing having the receiving cell and to be fitted ~~[[on]]~~ in the housing so as to form the plug connector,

the electric contact of ~~plug connector~~ comprising, ~~[[when]]~~ with respect to a depth direction, a width direction and a thickness direction all being perpendicular to each other, ~~other are assumed,~~ a body having a barrel for crimping an electric wire, and a tab extending rearward in the depth direction from the body,

the tab comprising ~~two plates~~ a base plate and a contact plate formed by folding a part of the blank and overlapping ~~[[them]]~~ the plates in the thickness direction, ~~one plate providing a base plate and the other plate providing a~~ wherein the contact plate ~~for contacting~~ is adapted to contact a counterpart electric contact,

~~[[the]]~~ a rear end in the depth direction of the base plate includes a protruding part that protrudes ~~protruding~~ rearward beyond ~~[[the]]~~ a rear end in the depth direction of the contact plate, ~~plate and forming a protruding part,~~ and

the electric contact ~~being~~ is adapted to be arranged in and cooperate with the housing so that when the body is set in the receiving cell of the housing, the base plate of

27 the tab protruding out of the receiving cell is supported
28 by the housing, and the protruding part of the base plate
29 is fitted ~~[[on]]~~ in and held by the housing so that the tab
30 does not lift from the housing in the thickness direction.
31 ~~direction from the housing.~~

1 2. (currently amended) The electric contact of a plug
2 connector as recited in claim 1,

3 wherein the base plate and the contact plate are
4 folded relative to one another along a boundary line
5 extending in the depth direction at one edge of the tab in
6 the width direction.

1 3. (currently amended) The electric contact of a plug
2 connector as recited in claim 1,

3 wherein the base plate and the contact plate are
4 folded relative to one another along a boundary line
5 extending in the width direction ~~on the~~ at a rear side
6 of the tab in the depth direction.

1 4. (currently amended) The electric contact of a plug
2 connector as recited in claim 1,

3 wherein a part of the body being adjacent to the tab
4 is larger than the tab in at least one of ~~greater at least~~
5 ~~in one dimension of the dimension in~~ the width direction
6 and ~~the dimension in~~ the thickness direction ~~than that of~~
7 ~~the tab~~ to provide a fitting-in part for fitting in the
8 receiving cell of the housing.

1 5. (currently amended) The electric contact of a plug
2 connector as recited in claim 2,

3 wherein a part of the body being adjacent to the tab
4 is larger than the tab in at least one of ~~greater at least~~
5 ~~in one dimension of the dimension in~~ the width direction
6 and ~~the dimension in~~ the thickness direction ~~than that of~~
7 ~~the tab~~ to provide a fitting-in part for fitting in the
8 receiving cell of the housing.

1 6. (currently amended) The electric contact of a plug
2 connector as recited in claim 3,

3 wherein a part of the body being adjacent to the tab
4 is larger than the tab in at least one of ~~greater at least~~
5 ~~in one dimension of the dimension in~~ the width direction
6 and ~~the dimension in~~ the thickness direction ~~than that of~~
7 ~~the tab~~ to provide a fitting-in part for fitting in the
8 receiving cell of the housing.

1 7. (currently amended) A housing of ~~plug connector into which~~
2 configured and adapted to have the electric contact of plug
3 connector as recited in claim 1 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, on which the
5 ~~electric contact is fitted,~~

6 the housing of ~~plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, ~~other are assumed,~~

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, ~~thereto is inserted,~~

13 a supporting wall ~~extending that extends~~ rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face of ~~both faces~~ thereof in the
19 thickness direction,

20 a top end wall ~~rising that rises~~ on the ~~one~~ first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall ~~extending that extends~~ frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that
25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the
28 electric contact, and ~~contacting that is adapted to contact~~
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

- 1 8. (currently amended) A housing ~~of plug connector into which~~
2 configured and adapted to have the electric contact ~~of plug~~
3 ~~connector~~ as recited in claim 2 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, ~~on which the~~
5 ~~electric contact is fitted,~~

6 the housing ~~of plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, ~~other are assumed,~~

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, ~~thereto is inserted,~~

13 a supporting wall ~~extending that extends~~ rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face of ~~both faces~~ thereof in the
19 thickness direction,

20 a top end wall ~~rising that rises~~ on the ~~one~~ first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall ~~extending that extends~~ frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that
25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the
28 electric contact, and ~~contacting that is adapted to contact~~
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

1 9. (currently amended) A housing ~~of plug connector into which~~
2 configured and adapted to have the electric contact ~~of plug~~

3 connector as recited in claim 3 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, on which the
5 electric contact is fitted,

6 the housing of ~~plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, other are assumed,

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, thereto is inserted,

13 a supporting wall ~~extending that extends~~ rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face ~~of both faces~~ thereof in the
19 thickness direction,

20 a top end wall ~~rising that rises~~ on the ~~one~~ first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall ~~extending that extends~~ frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that
25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the
28 electric contact, and ~~contacting that is adapted to contact~~
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

1 10. (currently amended) A housing ~~of plug connector into which~~
2 configured and adapted to have the electric contact ~~of plug~~
3 connector as recited in claim 4 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, on which the
5 electric contact is fitted,

6 the housing ~~of plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, ~~other are assumed,~~

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, ~~thereto is inserted,~~

13 a supporting wall extending that extends rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face ~~of both faces thereof~~ in the
19 thickness direction,

20 a top end wall rising that rises on the ~~one~~ first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall extending that extends frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that
25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the

28 electric contact, and contacting that is adapted to contact
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

1 11. (currently amended) A housing ~~of plug connector into which~~
2 configured and adapted to have the electric contact ~~of plug~~
3 ~~connector~~ as recited in claim 5 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, on which the
5 electric contact is fitted,

6 the housing ~~of plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, other are assumed,

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, thereto is inserted,

13 a supporting wall extending that extends rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face of ~~both faces thereof~~ in the
19 thickness direction,

20 a top end wall rising that rises on the one first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall extending that extends frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that

25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the
28 electric contact, and ~~contacting that is adapted to contact~~
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

1 12. (currently amended) A housing ~~of plug connector into which~~
2 configured and adapted to have the electric contact ~~of plug~~
3 connector as recited in claim 6 ~~[[is]]~~ inserted and fitted
4 therein so as to form the plug connector, on which the
5 electric contact is fitted,

6 the housing ~~of plug connector~~ comprising, ~~when a~~ with
7 respect to the depth direction, ~~[[a]]~~ the width direction
8 and ~~[[a]]~~ the thickness direction all being perpendicular
9 to each other, ~~other are assumed,~~

10 a receiving body having a receiving cell ~~into which~~
11 adapted to have inserted therein the electric contact with
12 an electric wire connected thereto, ~~thereto is inserted,~~

13 a supporting wall extending that extends rearward in
14 the depth direction from a part on one side of the
15 receiving cell in the thickness direction ~~of the receiving~~
16 ~~cell of the receiving body and supporting and that is~~
17 adapted to support the base plate of the electric contact
18 on ~~[[one]]~~ a first face of ~~both faces~~ thereof in the
19 thickness direction,

20 a top end wall rising that rises on the ~~one~~ first face
21 of the supporting wall at ~~[[the]]~~ a rear side in the depth
22 direction of the supporting wall, and

23 a fitting wall extending that extends frontward in the
24 depth direction from the top end wall, ~~[[being]]~~ and that
25 is spaced from the ~~[[one]]~~ first face of the supporting
26 wall in the thickness direction by a distance equal to or
27 greater than ~~[[the]]~~ a thickness of the blank of the
28 electric contact, and contacting that is adapted to contact
29 the protruding part of the tab of the electric contact to
30 restrict the tab from lifting from the supporting wall.

1 13. (currently amended) The housing of a plug connector as
2 recited in claim 7,

3 wherein further comprising cross walls rising that
4 rise in the thickness direction ~~are provided~~ on both sides
5 in the width direction of a part of the supporting wall
6 ~~for receiving~~ and that are adapted to receive the base
7 plate of the electric contact.

1 14. (currently amended) The housing of a plug connector as
2 recited in claim 7,

3 wherein ~~the thickness of~~ the fitting wall ~~[[is]]~~ has
4 a thickness adapted to be substantially identical to the
5 thickness of the blank of the electric contact.

1 15. (currently amended) The housing of a plug connector as
2 recited in claim 10,

3 wherein further comprising an accepting part
4 into which adapted to have the fitting-in part of the
5 electric contact ~~[[is]]~~ fitted therein, wherein the
6 accepting part is provided at ~~[[the]]~~ a rear end of the
7 receiving cell of the receiving body.

1 16. (new) An electric contact for an electric plug connector,
2 wherein:

3 said electric contact comprises an elongated contact
4 body that extends longitudinally in a longitudinal
5 direction;

6 said contact body comprises a crimping barrel that is
7 adapted to receive and be crimped onto an electric wire,
8 and a contact tab that extends in said longitudinal
9 direction from said crimping barrel and that is adapted to
10 make contact with a counterpart connector contact;

11 said contact tab comprises a base plate and a contact
12 plate that are integral and unitary with one another
13 through a folded junction and that are folded flat with
14 respect to one another along said folded junction so as to
15 overlap and reinforce one another; and

16 said contact tab further comprises a protruding part
17 that protrudes integrally and unitarily from an end of said
18 base plate in said longitudinal direction opposite said
19 crimping barrel, so that said protruding part protrudes
20 beyond an end of said contact plate in said longitudinal
21 direction opposite said crimping barrel.

1 17. (new) The electric contact according to claim 16, wherein
2 said folded junction is a tight fold so that said base
3 plate and said contact plate extend flat and planar in
4 contact with one another so as to form a doubled plate
5 structure of said contact tab.

1 18. (new) The electric contact according to claim 16, wherein
2 said folded junction extends in said longitudinal
3 direction.

1 19. (new) The electric contact according to claim 16, wherein
2 said folded junction extends transversely relative to said
3 longitudinal direction at said ends of said base plate and
4 said contact plate.

1 20. (new) An electric plug connector including an electric
2 contact fitted in a housing, wherein:

3 said electric contact comprises an elongated contact
4 body that extends longitudinally in a longitudinal
5 direction;

6 said contact body comprises a crimping barrel that is
7 adapted to receive and be crimped onto an electric wire,
8 and a contact tab that extends in said longitudinal
9 direction from said crimping barrel and that is adapted to
10 make contact with a counterpart connector contact;

11 said contact tab comprises a base plate and a contact
12 plate that are integral and unitary with one another
13 through a folded junction and that are folded flat with

14 respect to one another along said folded junction so as to
15 overlap and reinforce one another;

16 said contact tab further comprises a protruding part
17 that protrudes integrally and unitarily from an end of said
18 base plate in said longitudinal direction opposite said
19 crimping barrel, so that said protruding part protrudes
20 beyond an end of said contact plate in said longitudinal
21 direction opposite said crimping barrel;

22 said housing includes a housing body that defines
23 therein a receiving cell in which at least a portion of
24 said crimping barrel of said electric contact is received,
25 a support wall that extends in said longitudinal direction
26 from said housing body and that has a support wall surface
27 which supports said base plate of said electric contact
28 extending therealong, and a retaining part that is
29 connected to said support wall at an end thereof opposite
30 said housing body in said longitudinal direction;

31 said retaining part is spaced from said support wall
32 surface at a spacing distance to receive said protruding
33 part of said contact tab therebetween; and

34 said protruding part of said contact tab is received
35 between said retaining part and said support wall and is
36 held by said retaining part to prevent said contact tab
37 from deflecting away from said support wall.

[RESPONSE CONTINUES ON NEXT PAGE]